Automotive Data Solutions Inc.

INSTALL GUIDE
DBI-AL(DL)-TL1

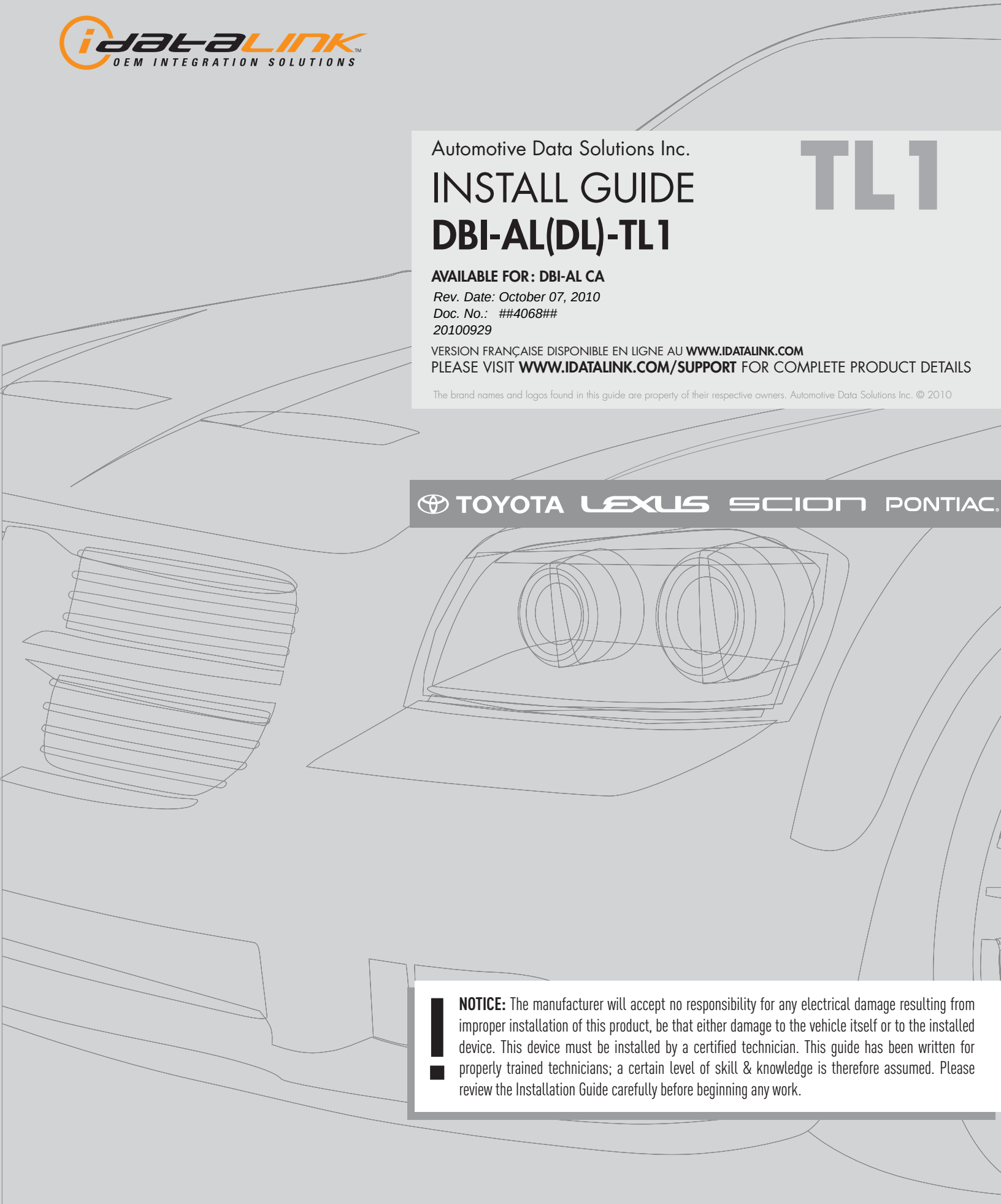
TL1

AVAILABLE FOR: DBI-AL CA

Rev. Date: October 07, 2010
Doc. No.: ##4068##
20100929

VERSION FRANÇAISE DISPONIBLE EN LIGNE AU **WWW.IDATALINK.COM**
PLEASE VISIT **WWW.IDATALINK.COM/SUPPORT** FOR COMPLETE PRODUCT DETAILS

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NOTICE: The manufacturer will accept no responsibility for any electrical damage resulting from improper installation of this product, be that either damage to the vehicle itself or to the installed device. This device must be installed by a certified technician. This guide has been written for properly trained technicians; a certain level of skill & knowledge is therefore assumed. Please review the Installation Guide carefully before beginning any work.

INSTALL TYPE SELECTION

MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES													
				DATA IMMOBILIZER BYPASS	PUSH TO START CTRL	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	TRUNK/HATCH RELEASE	TAILGATE WINDOW RELEASE	TACHOMETER OUTPUT	BRAKE PEDAL STAT OUTPUT	E-BRAKE OUTPUT	DOOR STAT OUTPUT	TRUNK STAT OUTPUT	HOOD STAT OUTPUT*
LEXUS	ES350	07-10	3	•	•	•	•	•	•	•		•	•	•	•	•	•
PONTIAC	Vibe	09-10	1	•		•	•	•	•			•	•	•	•	•	•
SCION	xB	08-10	1	•		•	•	•	•			•	•	•	•	•	•
	xD	08-10	1	•		•	•	•	•			•	•	•	•	•	•
TOYOTA	Camry 40-bit without push to start	07-11	1	•		•	•	•	•	•		•	•	•	•	•	•
	Camry with push to start	07-11	3	•	•	•	•	•	•	•		•	•	•	•	•	•
	Camry Hybrid	07-10	3	•	•	•	•	•	•	•		•	•	•	•	•	•
	Corolla 40-bit without push to start	09-10	1	•		•	•	•	•	•		•	•	•	•	•	•
	Corolla with push to start	09-10	2	•	•	•	•	•	•	•		•	•	•	•	•	•
	Highlander without push to start	08-10	1	•		•	•	•	•		•	•	•	•	•	•	•
	Highlander with push to start	08-10	3	•	•	•	•	•	•		•	•	•	•	•	•	•
	Highlander Hybrid	08-10	3	•	•	•	•	•	•		•	•	•	•	•	•	•
	Matrix	09-10	1	•		•	•	•	•			•	•	•	•	•	•
	Rav4 40-bit without push to start	06-10	1	•		•	•	•	•			•	•	•	•	•	•
	Rav4 with push to start	09-10	2	•	•	•	•	•	•			•	•	•	•	•	•
	Sequoia	08-10	1	•		•	•	•	•		•	•	•	•	•	•	•
	Tundra	07-10	1	•		•	•	•	•			•	•	•	•		•
	Yaris	06-10	1	•		•	•	•	•			•	•	•	•	•	•

* Available only if vehicle is equipped with factory hood switch.

NOTE

1 Keyless and smart-key systems will remain functional during remote start.

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TYPE 1 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	TXCT		CODE		CONNECTOR	CANH		CANL		CONNECTOR
			POSITION	WIRE COLOR	POSITION	WIRE COLOR	LOCATION	POSITION	WIRE COLOR	POSITION	WIRE COLOR	LOCATION
TOYOTA	Camry*	07-11	5	Red	4	Brown	Immobilizer	6	Black	14	White	OBDII
	Corolla* TMMC	09-10	5	Beige	4	LtBlue	Immobilizer	6	LtGreen	14	White	OBDII
	Corolla* NUMMI	09-10	5	Green	4	Pink	Immobilizer	6	LtGreen	14	White	OBDII
	Highlander*	08-10	5	LtBlue	4	Red	Immobilizer	6	Blue	14	White	OBDII
	Matrix	09-10	5	Beige	4	LtBlue	Immobilizer	6	LtGreen	14	White	OBDII
	Rav4*	06-10	5	Green	4	Pink	Immobilizer	6	Black	14	White	OBDII
	Sequoia	08-10	5	Blue	4	LtGreen	Immobilizer	6	Violet	14	White	OBDII
	Tundra	07-10	5	Blue	4	LtGreen	Immobilizer	6	Violet	14	White	OBDII
	Yaris	06-10	5	Violet	4	Green	Immobilizer	6	Violet	14	White	OBDII
PONTIAC	Vibe	09-10	5	Beige	4	LtBlue	Immobilizer	6	LtGreen	14	White	OBDII
SCION	xB	08-10	5	Beige	4	LtBlue	Immobilizer	6	LtGreen	14	White	OBDII
	xD	08-10	5	Violet	4	Green	Immobilizer	6	Violet	14	White	OBDII

*Without push to start

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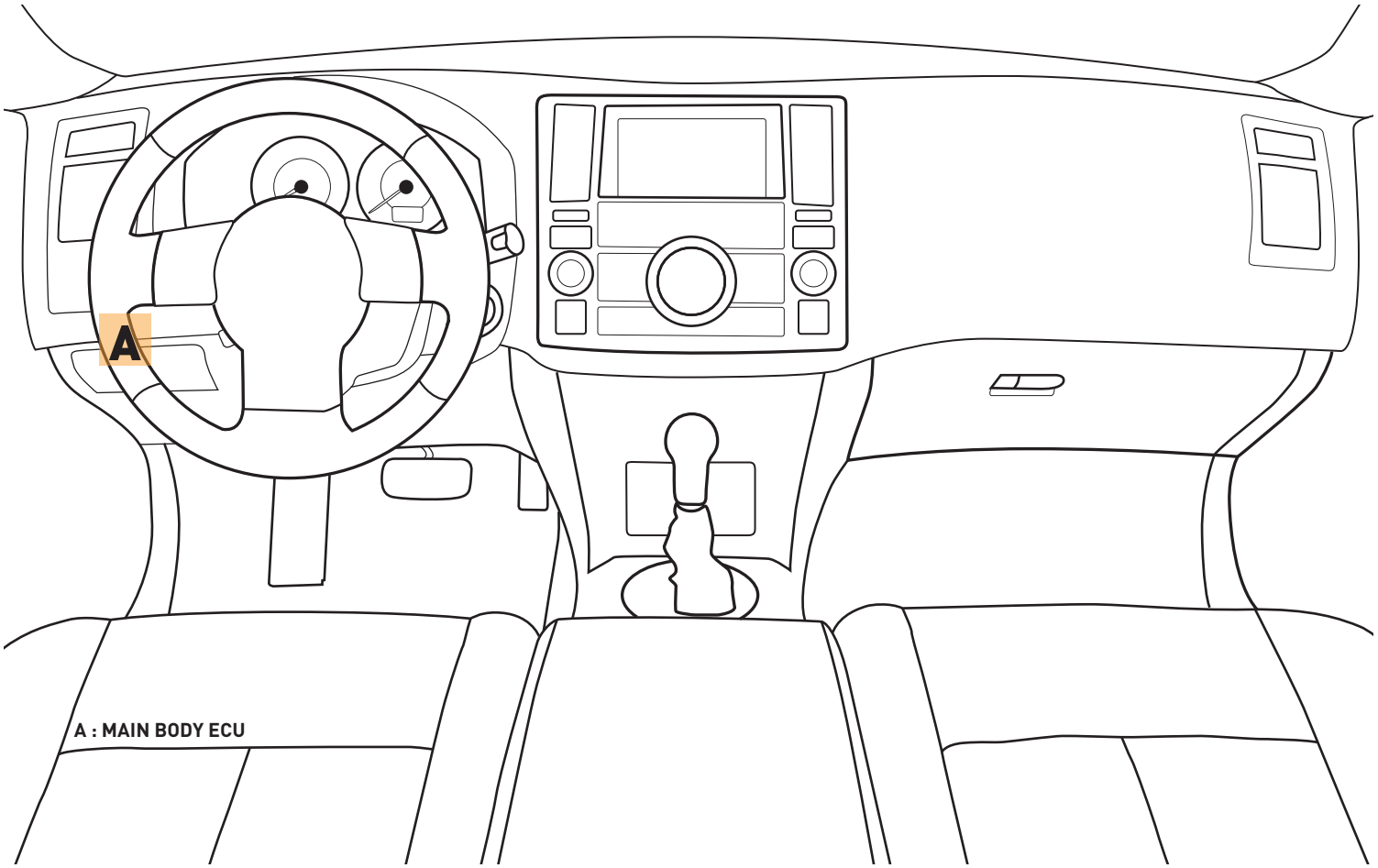
TYPE 1 - WIRING DIAGRAM



This product is protected by one or more of the following patents: U.S. LETTERS PATENT NO. 5,719,551; 6,011,460; 6,243,004; 6,249,216; 6,275,147; 6,297,731; 6,346,876; 6,392,534; 6,529,124; 6,696,927; 6,756,885; 6,756,886; 6,771,167; 6,812,829; 6,924,750; 7,010,402; 7,031,826; 7,046,126; 7,061,137; 7,068,153; 7,015,830; 7,205,679; 7,224,083; 7,369,936; 7,378,945; 7,489,233; 7,501,937; CANADIAN PATENT NO. 2,320,248; 2,415,023; 2,426,670; 2,414,991; 2,415,011; 2,415,027; 2,415,038; 2,415,041; 2,502,893; 2,451,490; 2,452,296; 2,451,487; EUROPEAN PATENT NO. 1,053,128; DE 69807-941T2; U.S. 20020145535; 20060129282; 20060129284; 20040017284; 20080030316; 20090079552; EP1500565; 1538038; 1538037;

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COMPONENT LOCATOR



TYPE 2 & 3 - WIRE CROSS REFERENCE CHART

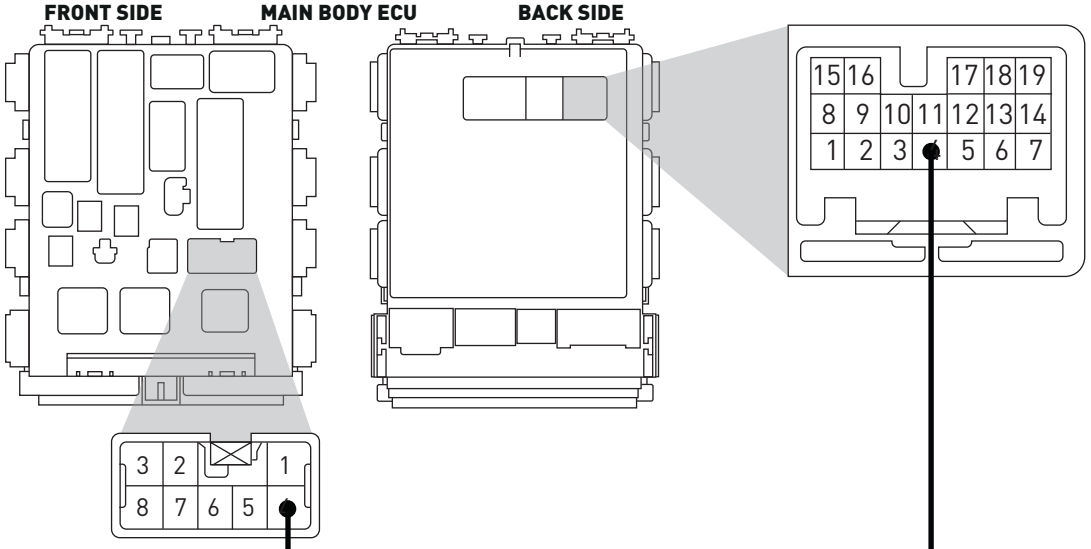
MAKE	MODEL	YEAR	IGNITION		CONNECTOR		STSW		CONNECTOR		PUSH		CONNECTOR	CANH		CANL		CONNECTOR
			POSITION	WIRE COLOR	NAME	LOCATION	POSITION	WIRE COLOR	NAME	LOCATION	POSITION	WIRE COLOR	LOCATION	POSITION	WIRE COLOR	POSITION	WIRE COLOR	LOCATION
TOYOTA	Camry*	07-11	7	Brown	1I	ECU	4	Gray	E9	ECU	7	Blue	Push button	6	Black	14	White	OBDII
	Camry Hybrid	07-10	7	Brown	1I	ECU	4	Gray	E9	ECU	7	Blue	Push button	6	Black	14	White	OBDII
	Corolla* TMMC	09-10	4	Yellow	2F	ECU	4	Black	E52	ECU	7	White	Push button	6	LtGreen	14	White	OBDII
	Corolla* NUMMI	09-10	4	Red	2F	ECU	4	White	E52	ECU	7	White	Push button	6	LtGreen	14	White	OBDII
	Highlander*	08-10	7	White	1I	ECU	4	Pink	D10	ECU	7	Pink	Push button	6	Blue	14	White	OBDII
	Highlander Hybrid	08-10	7	White	1I	ECU	4	Yellow	D10	ECU	7	Pink	Push button	6	Black	14	White	OBDII
	Rav4*	09-10	4	Yellow	2F	ECU	4	Red	E17	ECU	7	White	Push button	6	Black	14	White	OBDII
LEXUS	ES350	07-10	7	Black	1I	ECU	4	Red	E61	ECU	7	Blue	Push button	6	LtGreen	14	Pink	OBDII

*With push to start

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TYPE 2 - WIRING DIAGRAM

WARNING: DO NOT CONNECT ANY OTHER ACCESSORY, IGNITION OR START WIRE FROM THE REMOTE STARTER TO THE VEHICLE. THE INTERFACE MODULE IS HANDLING THE REQUIRED VEHICLE POWER AND START SEQUENCE FROM THE PUSH TO START BUTTON CIRCUIT.



REMOTE STARTER
OR
SECURITY SYSTEM
OR
KEYLESS ENTRY

IGNITION (+)

CONNECT EITHER **DBI** OR **STANDARD WIRING**

DBI PORT REQUIRED ON REMOTE STARTER. IF UNAVAILABLE USE STANDARD WIRING METHOD

DBI PORT

GWR (-) - BLUE/WHITE
(NC) WHITE
GROUND - BLACK
12V - RED
LOCK/ARM (-) INPUT - GREEN/BLACK
UNLOCK/DISARM (-) INPUT - BLUE/BLACK
TRUNK (-) INPUT - RED/WHITE
(NC) BROWN
(NC) PURPLE/YELLOW
(NC) PURPLE/BLACK
(NC) WHITE
STARTER (+) INPUT - BLACK/WHITE
*E-BRAKE (-) OUTPUT - GREEN
*TACH (AC) OUTPUT - PURPLE/WHITE

WHITE/BLACK - STSW (+) OUTPUT
WHITE/RED (NC)
WHITE - IGNITION (+) INPUT

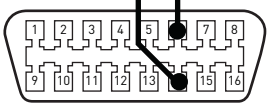
YELLOW/BLACK - DOOR STATUS (-) OUTPUT*
YELLOW/RED - TRUNK STATUS (-) OUTPUT*
YELLOW - HOOD STATUS (-) OUTPUT*
BROWN/RED - CANH
BROWN/YELLOW - CANL
ORANGE/BLACK
ORANGE/WHITE (NC)
ORANGE - BRAKE (+) OUTPUT*
PINK/BLACK (NC)
PINK - IGNITION (+) INPUT
BLUE/RED - GROUND
BLUE/YELLOW - PUSH (-) OUTPUT
GREEN/RED (NC)
GREEN/YELLOW (NC)
GRAY/RED (NC)
GRAY/YELLOW (NC)

CONNECTIONS ARE REQUIRED ONLY IF IDLE MODE IS DESIRED

Ground ONLY if the vehicle is NOT equipped with OEM hood switch.

ENGINE START STOP





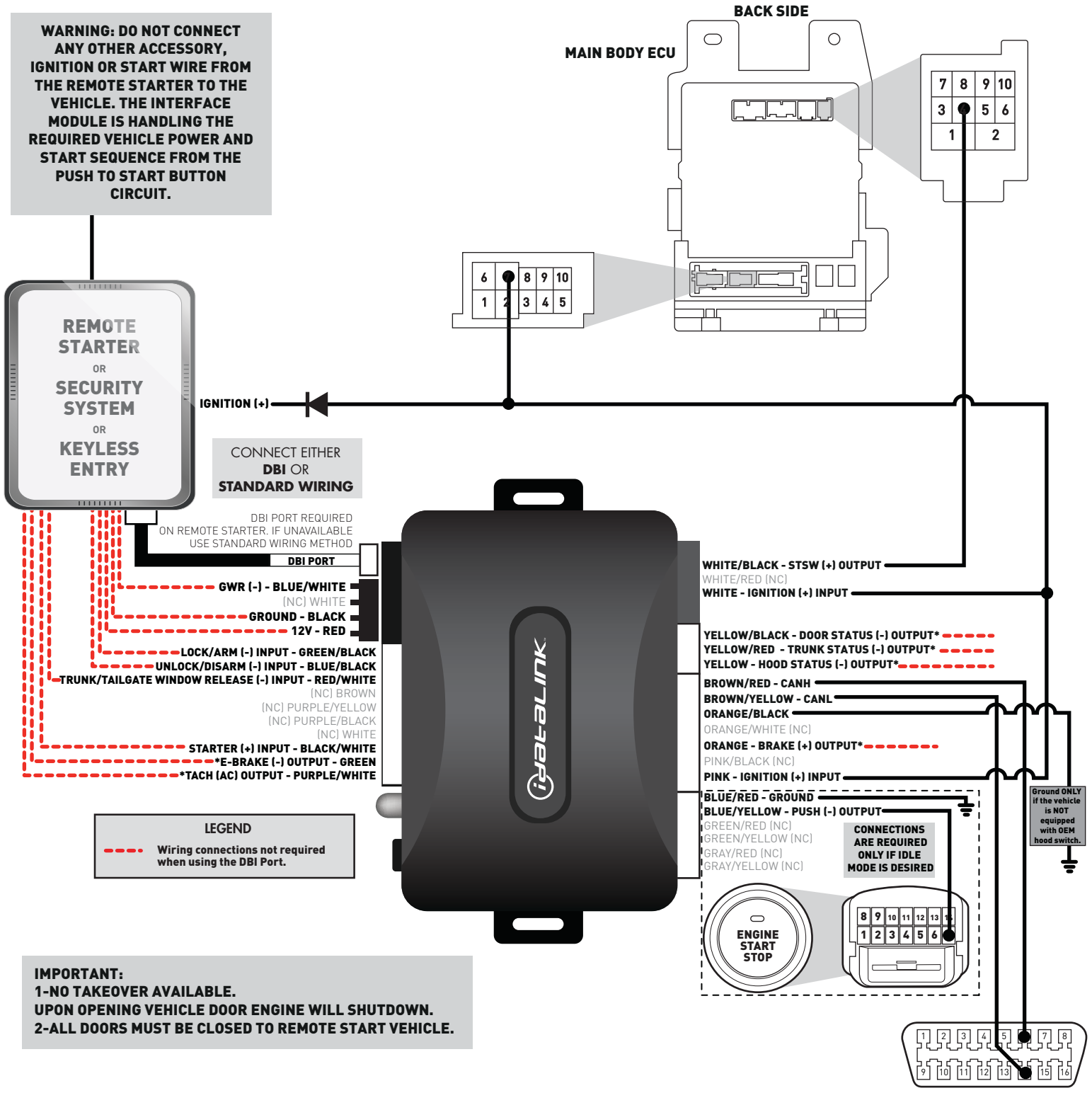
LEGEND
Wiring connections not required when using the DBI Port.

IMPORTANT:
1-NO TAKEOVER AVAILABLE.
UPON OPENING VEHICLE DOOR ENGINE WILL SHUTDOWN.
2-ALL DOORS MUST BE CLOSED TO REMOTE START VEHICLE.

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TYPE 3 - WIRING DIAGRAM

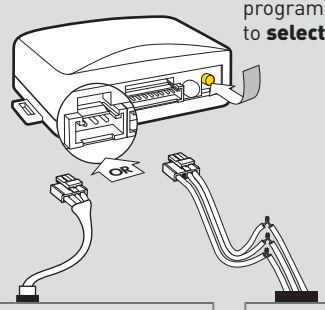


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INSTALLATION MODE SELECTION

1

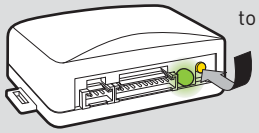


PRESS AND RELEASE programming button to **select installation mode**.

x1 Remote Starter **Data Mode** LED flashes once

x2 Remote Starter **Standard Mode** LED flashes twice

2



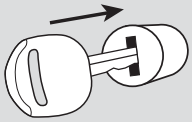
PRESS AND HOLD programming button until LED turns solid GREEN to **register selection**.

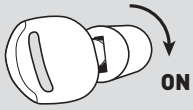
! After registration, follow Factory Reset Procedure to change installation mode and restart this procedure.

TYPE 1 - MODULE PROGRAMMING PROCEDURE

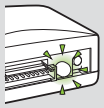
NOTE

I Between each step, LED will turn solid RED, this is the default standby mode.

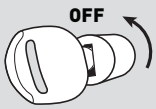
1  Insert key into ignition.

2 

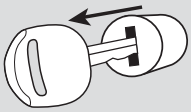
Turn key to ON position.

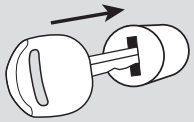
3 

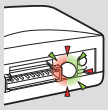
LED will flash GREEN once [1x].

4 

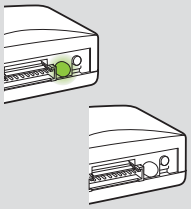
Turn key to OFF position.

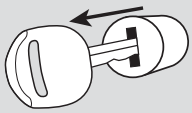
5  Remove key.

6  Insert key into ignition.

7 
LED will flash GREEN and RED.

(If vehicle is not equipped with immobilizer, press module programming button.)

8 
Wait, LED will turn solid GREEN then will turn OFF.

9  Remove key.

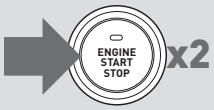
10 Module Programming Procedure completed.

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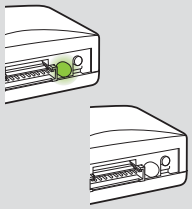
TYPE 2 & 3 - MODULE PROGRAMMING PROCEDURE

NOTE

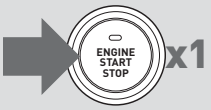
I Between each step, LED will turn solid RED, this is the default standby mode.

1 

Push start button twice [2x] to ON position.

2 

Wait, LED will turn solid GREEN then will turn OFF.

3 

Push start button once [1x] to OFF position.

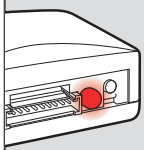
4

Module Programming Procedure completed.

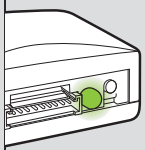
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MODULE DIAGNOSTICS

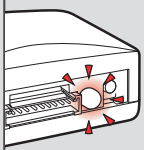
DURING PROGRAMMING



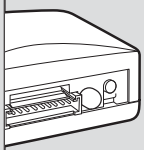
SOLID RED
waiting for more vehicle information



SOLID GREEN THEN OFF
correctly programmed

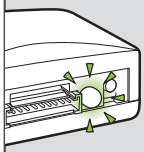


FLASHING RED
missing/wrong connection or firmware

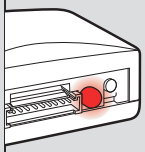


LED OFF
no activity or already programmed

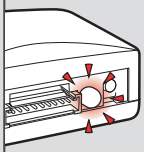
DURING REMOTE START (R.S.)



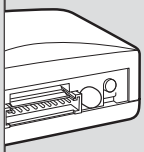
FLASHING GREEN
correctly programmed and operational



SOLID RED
incorrectly programmed

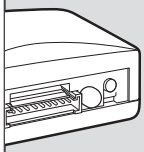


FLASHING RED
incorrectly programmed

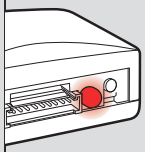


LED OFF
invalid ground when running status from r.s.

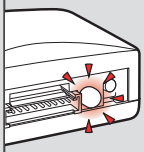
WITH IGNITION OFF



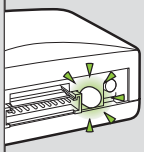
LED OFF
at rest and ready for a r.s. sequence



SOLID RED
not programmed waiting for more vehicle information

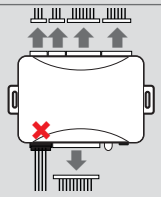


FLASHING RED
incorrectly programmed or connected

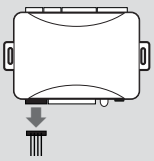


FLASHING GREEN
false ground when running status from r.s.

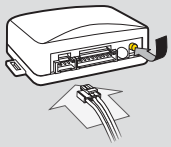
FACTORY RESET PROCEDURE

1 

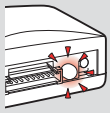
DISCONNECT all connectors from module **EXCEPT** the black 4-PIN standard or optional data connector.

2 

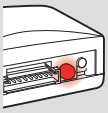
DISCONNECT black 4-PIN standard or optional data connector.

3 

PRESS AND HOLD programming button while connecting either 4-PIN standard or optional data connector.

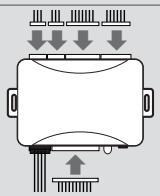
4 

When LED flashes red, **RELEASE** programming button.

5 

LED will turn solid red for 2 seconds.

RESET COMPLETED.

6 

RECONNECT all connectors.

7 Repeat programming procedure.

! Failure to follow procedure may result with a DTC or a CHECK ENGINE error message.

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